

1. **Shifting Ranges: Northern Expansion and Predation Escape in the Barnacle *Tetraclita rubescens***
D. Swezey (UC Santa Barbara), S. Gaines (UC Santa Barbara), and E. Sanford (UC Davis)
2. **Conservation of Pacific Salmon in a Changing Climate**
Peter Miller (UC Berkeley)
3. **Climate Change and the Fate of California's Endemic Flora**
S. Loarie (Stanford University), B. Carter (Cal Poly San Luis Obispo), K. Hayhoe (Texas Tech University), C. Knight (Cal Poly San Luis Obispo), and D. Ackerly (UC Berkeley)
4. **Adapting to Climate Change through Smart Growth and LEED-ND**
C. Pyke (U.S. EPA), J. Scharfenberg (ICF International), S. Shapiro (ICF International), R. Freed (ICF International), W. Schroeer (ICF International), and E. Allen (Criterion Planners Inc.)
5. **The Cost of Uncertainty on CO₂ Emissions Regulations**
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6. **Greenhouse Gas Emission Consequences of a Transition to Low-quality and Synthetic Petroleum Resources**
Adam R. Brandt and Alexander E. Farrell (UC Berkeley)
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8. **Technology-Policy Driven Decarbonization Scenarios for California**
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9. **What Is the Magnitude of Greenhouse Gas Emissions from Urban Turfgrass Landcover?**
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10. **Potential for Alternatives in Farm Management to Reduce Soil Greenhouse Gas Emissions**
C. Kallenbach, W. Horwath, Z. Kabir, D. Rolston, and J. Mitchell (UC Davis)

11. **Assessing Seasonal Greenhouse Gas Emissions and Belowground C and N Processes under Different Fire Frequencies in Soils of Sierra Nevada Chaparral Shrublands**
U. Norton, W.R. Horwath, J.B. Norton, and T. D. Doane (UC Davis)
12. **Assessing Impacts of Rangeland Management and Afforestation of Rangelands on Net Greenhouse Gas Emissions: A Scoping Study for Shasta County**
W. Salas (Applied Geosolutions, LLC), C. Li (University of New Hampshire), and P. Green (Applied Geosolutions, LLC)
13. **Field Scale Greenhouse Gas Emissions in a Furrow-irrigated Field under Standard and Minimum Tillage**
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14. **Detection of Climate Change in California and Attribution of Causes**
C. Bonfils (UC Merced/LLNL), P.B. Duffy (LLNL), B.D. Santer (LLNL), D.B. Lobell (LLNL), and T.M.L. Wigley (NCAR)
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16. **Development of Climate Monitoring Indices for California**
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23. Opportunities for Low-Cost CO₂ Mitigation in Electricity, Oil, and Cement Production

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24. Modeling the Effects of Gas-Phase CO₂ Intrusion on Soil Biogeochemistry

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25. Future Climate Alters VOC Reactivity and Potential Ozone Control Strategies in Central California

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26. Progress on Incorporating Climate Change into Management of California's Water Resources

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29. Observed Changes in Spring Snowpack in California and the Role of Global Warming

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30. Detectability of Trends Towards Earlier Streamflow in the Sierra Nevada

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31. Climate Change and the Probability of Persistent Drought

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32. Adaptability of California's Hydropower System to Climate Warming

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